	Application No.	Applicant(s)
Notice of Allowability	09/391,360	CARPENTIER ET AL.
	Examiner	Art Unit	
	LEYNNA T. HA	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 2/9/05.

2. ☒ The allowed claim(s) is/are 1, 4-6, and 31- 33.

3. ☐ The drawings filed on _____ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☒ to Paper No./Mail Date *11/28/2003*.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *9/29/2003*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *5/10/2005* .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

1.   Pending claims are 1-33.

EXAMINER'S AMENDMENT

2.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Rich Guinta on May 9, 2005.

The application has been amended as follows:

Please cancel claims 2-3 and 7-30

Replace claim 1:

A method comprising:

generating a first unique identifier for said a binary asset, said first

unique identifier being computed from at least a portion of the contents of said

binary asset and uniquely identifying said binary asset;

encrypting said binary asset using said first unique identifier as a key,

said encrypting resulting in an encrypted version of said binary asset;

generating a second unique identifier for said encrypted version of said

binary asset, said second unique identifier being computed from at least a

portion of said encrypted version of said binary asset and uniquely identifying

said encrypted version of said binary asset;

providing said second unique identifier for the retrieval of said encrypted

version of said binary asset, whereby said second unique identifier may be

used to locate said encrypted version;

creating a descriptor file that includes said unique identifier and said

second unique identifier;

generating a first file identifier, said first file identifier being computed

from at least a portion of said descriptor file and uniquely identifying said

descriptor file;

encrypting said descriptor file using said first file identifier as a key, said

encrypting producing an encrypted descriptor file; and

generating a second file identifier for said encrypted descriptor file, said

second file identifier being computed from at least a portion of said encrypted

descriptor file and uniquely identifying said encrypted descriptor file, whereby

said first file identifier and said second file identifier may be used to access the

contents of said binary asset.

Replace claim 4:

A method comprising:

generating a first identifier for a file, said first identifier being computed

from at least a portion said file and uniquely identifying said file;

encrypting said file using said first identifier as a key, said encrypting

producing an encrypted file;

generating a second file identifier for said encrypted file, said second file

identifier being computed from at least a portion of said encrypted file and

uniquely identifying said encrypted file;

providing said first file identifier and second file identifier for the retrieval

of said file, whereby said second unique identifier may be used to locate said

encrypted file, and said first file identifier may be used to decrypt said

encrypted file to produce said file;

creating a descriptor file that includes said first file identifier and said

second file identifier;

generating a third file identifier, said third file identifier being computed

from at least a portion of said descriptor file and uniquely identifying said

descriptor file;

encrypting said descriptor file using said third file identifier as a key,

said encrypting producing an encrypted descriptor file; and

generating a fourth file identifier for said encrypted descriptor file, said

fourth file identifier being computed from at least a portion of said encrypted

descriptor file and uniquely identifying said encrypted descriptor file, whereby

said third file identifier and said fourth file identifier may be used to access the

contents of said file.

Allowable Subject Matter

4.   Claims 1, 4-6, and 31-33 are allowed.

The following is an examiner's statement of reasons for allowance:

Prior art fails to teach generating a unique identifier for a binary asset

(file) that is computed from a portion of the contents of the file wherein the file

is encrypted using the first unique identifier as a key and generating for the

encrypted file a second unique identifier that is computed from a portion of the

encrypted version wherein the second unique identifier may be used to locate the encrypted version. Prior art further fails to teach creating a descriptor file that includes the first and second unique identifier and generating a first file identifier computed from a portion of the descriptor file wherein encrypting the descriptor file using the file identifier as a key and generating a second file identifier for the encrypted descriptor file that is being computed from a portion of the encrypted descriptor file whereby the first and second file identifier is used to access the contents of the file. In addition, generating a third file identifier computed from a portion of the descriptor file wherein encrypting the descriptor file using the third file identifier as a key and generating a fourth file identifier for the encrypted descriptor file that is being computed from at least a portion of the encrypted descriptor file whereby the third and fourth file identifier is used to access the contents of the file.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEYNNA T. HA whose telephone number is (571) 272-3851. The examiner can normally be reached on Monday - Thursday (7:00 - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LHa

KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100